
North America's Leader in Hazardous Material Information Management
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MSDS PRODUCT INFORMATION

Date: 10/07/2005
To: MSDS Requester
From: 3E Company
Subject: The MSDS you have requested

☐ MSDS NOT REQUIRED

In response to your request for a Material Safety Data Sheet, according to the OSHA Hazard Communication Standard (Right-to-Know), the following item is an article. Articles are defined in 29 CFR 1910.1200(c). Products such as Drugs, cosmetics, food, or alcoholic beverages, wood or wood products, and tobacco or tobacco products, as defined in 29 CFR 1910.1200(b)(6), are exempt from the Hazard Communication Standard. Items that are considered articles, as defined in 29 CFR 1910.1200(c), are also exempt from this Standard. Therefore, the manufacturer is not required to provide an MSDS for this product.

☒ MSDS DISCONTINUED PRODUCT

In response to your request for a Material Safety Data Sheet, the manufacturer has discontinued the product listed below. The MSDS Attached is the most current version, or an MSDS is no longer available.

☐ MSDS BEST COPY AVAILABLE

The MSDS attached is the best copy available from the manufacturer.

☐ MANUFACTURER NO LONGER IN BUSINESS

In response to your request for a Material Safety Data Sheet, a current MSDS could not be obtained for this product. It has been determined that the manufacturer listed below is no longer in business. A current address and phone number could not be located.

Manufacturer: Flecto Co.

Product Name: Renewal Top-Coat (DISCONTINUED)



Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Common Name	Renewal Top-Coat	Code	
Supplier	The Flecto Company, Inc. 1000 45th Street Oakland, California 94608	MSDS#	October 1999
Synonym	VOC <250g/l (2.08 lbs/gal)	TSCA Inventory	All the ingredients are on the TSCA list
Trade name	Not available.	Validation Date	10/28/1999
Material Uses	Floor finish in Semi-Gloss and Satin sheens	Print Date	1/13/2000
Manufacturer	The Flecto Company, Inc. 1000 45th Street Oakland, California 94608	In case of Emergency	Emergency phone 800-255-3924 For Information Call 800-635-3286

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	TLV/PEL	LC ₅₀ /LD ₅₀
Dipropylene glycol monomethyl ether	034590948	<6.0	TWA 100 (ppm) from OSHA (PEL) TWA 100 CEIL 150 (ppm) from ACGIH (TLV) TWA: 600 CEIL 900 (mg/m ³) Not available	ORAL (LD50) Acute 5380 mg/kg (Rat). 5200 mg/kg (Rat) DERMAL (LD50) Acute 9510 mg/kg (Rabbit)
Dipropylene Glycol Monobutyl ether	029911-28-2	<3.0	Not available	Not available
2-methyl-1 pyrrolidinone-2	000872504	<1.0	TWA 100 (ppm) from OSHA (PEL) TWA 100 (ppm) from ACGIH (TLV)	Not available
Tnethylamine	000121448	<0.3	TWA 25 CEIL 40 (ppm) TWA 100 CEIL: 160 (mg/m ³)	Not available

Section 3. Hazards Identification

Emergency Overview	May cause eye irritation. May cause skin irritation.
Potential Acute Health Effects	Hazardous in case of eye contact (irritant), of ingestion, of inhalation Slightly hazardous in case of skin contact (irritant)
Potential Chronic Health Effects	CARCINOGENIC EFFECTS Not available MUTAGENIC EFFECTS Not available. TERATOGENIC EFFECTS Not available DEVELOPMENTAL TOXICITY Not available
Target Organs:	Not available
Routes of Entry	Eye contact Inhalation Ingestion.
Medical Conditions Aggravated by Overexposure:	There is no known effect from chronic exposure to this product Repeated or prolonged exposure is not known to aggravate medical condition
Signs and Symptoms of Overexposure:	Not available

Continued on Next Page

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Finish by rinsing thoroughly with running water to avoid a possible infection. COLD water may be used.
Skin Contact	Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. COLD water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
Hazardous Skin Contact	No additional information.
Inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Hazardous Inhalation	No additional information.
Ingestion	DO NOT induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
Hazardous Ingestion	No additional information.

Section 5. Fire and Explosion Data

Flammability of the Product	Non-flammable. Because of the large amount of water contained in the product, the product might be combustible only after partial or complete evaporation.
Auto-Ignition Temperature	Not available.
Flash Points	CLOSED CUP: Higher than 93.3°C (200°F) (Setaflash)
Flammable Limits	Not available.
Products of Combustion	These products are carbon oxides (CO, CO ₂), nitrogen oxides (NO, NO ₂)
Fire Hazards in Presence of Various Substances	No danger known.
Explosion Hazards in Presence of Various Substances	No danger known.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemicals, CO ₂ , water spray or foam. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet.
Special Remarks on Fire Hazards	When heated to decomposition it emits toxic fumes (Ammonia).
Special Remarks on Explosion Hazards	No additional remark.

Section 6. Accidental Release Measures

Small Spill	Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container.
Large Spill	Use appropriate containment to avoid environmental contamination. Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Section 7. Handling and Storage

Handling	After handling, always wash hands thoroughly with soap and water	
Storage	Keep container dry. Ground all equipment containing material. Keep container tightly closed in a cool, well-ventilated place. Protect from freezing	

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.	
Personal Protection	Safety glasses. Lab coat. Wear appropriate respirator when ventilation is inadequate. Be sure to use a MSHA approved respirator or equivalent. Gloves (impervious)	
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Vapor respirator. Boots. Gloves. Be sure to use a MSHA/NIOSH approved respirator or equivalent.	
Chemical Name or Product Name	CAS #	Exposure Limits
Dipropylene glycol monomethyl ether	034590948	TWA 100 (ppm) from OSHA (PEL) TWA 100 CEIL 150 (ppm) from ACGIH (TLV) TWA 600 CEIL 900 (mg/m ³)
Dipropylene Glycol Monobutyl Ether	029911-28-2	Not available
Methyl-1 pyrrolidinone-2	000872504	TWA 100 (ppm) from OSHA (PEL) TWA 100 (ppm) from ACGIH (TLV)
Triethylamine	000121448	TWA 25 CEIL 40 (ppm) TWA 100 CEIL 160 (mg/m ³)

Section 9. Physical and Chemical Properties

Physical state and appearance	Liquid.	Odor	Pleasant.
Molecular Weight	Not applicable.	Taste	
pH (1% soln./water)	Neutral	Color	Milky
Boiling/Condensation Point	The lowest known value is 100°C (212°F) (Water). Weighted average 111.6°C (232.9°F)		
Melting/Sublimation Point	May start to solidify at 0°C (32°F) based on data for Water. Weighted average -8.96°C (15.9°F)		
Critical Temperature	Not available		
Specific Gravity	1.027 (Water = 1)		
Vapor Pressure	The highest known value is 17.535 mm of Hg (@ 20°C) (Water). Weighted average 15.57 mm of Hg (@ 20°C)		
Vapor Density	The highest known value is 6.56 (Air = 1) (Dipropylene Glycol Monobutyl Ether). Weighted average 1.18 (Air = 1)		
Volatility	<73% (v/v)		
Odor Threshold	The highest known value is 34.6 ppm (Dipropylene glycol monomethyl ether)		
Evaporation rate	Not available		
Viscosity	20 - 30 seconds #4 For Cup		
Water/Oil Dist. Coeff.	Not available.		
Ionility (in Water)	Not available		
Dispersion Properties	See solubility in water, methanol, diethyl ether		
Solubility	Easily soluble in cold water. Soluble in hot water, methanol, diethyl ether		
Physical Chemical	Not available		
Comments			

Section 10. Stability and Reactivity Data

Chemical Stability	The product is stable
Conditions of Instability	Protect from freezing
Incompatibility with various substances	Not available
Hazardous Decomposition Products	Not available
Hazardous Polymerization	No

Section 11. Toxicological Information

Toxicity to Animals	Acute oral toxicity (LD50) 5200 mg/kg [Rat] (Dipropylene glycol monomethyl ether) Acute dermal toxicity (LD50) 9510 mg/kg [Rabbit] (Dipropylene glycol monomethyl ether)
Chronic Effects on Humans	Not available.
Other Toxic Effects on Humans	Hazardous in case of eye contact (irritant), of ingestion, of inhalation
Special Remarks on Toxicity to Animals	No additional remark
Special Remarks on Chronic Effects on Humans	Passes through the placental barrier in human (Water)
Special Remarks on other Toxic Effects on Humans	No additional remark

Section 12. Ecological Information

Ecotoxicity	Not available
BOD5 and COD	Not available
Products of Biodegradation	Possibly hazardous short term degradation products are not likely
Toxicity of the Products of Biodegradation	The products of degradation are less toxic than the product itself
Special Remarks on the Products of Biodegradation	No additional remark

Section 13. Disposal Considerations

Waste information	Reuse or recycle if possible. Consult local or regional authorities for collection points
Waste stream	Consult local or regional authorities

Section 14. Transport Information

DOT Classification	Not a DOT controlled material (United States) Protect from freezing
Proper Shipping Name	Paint
DOT Identification Number	Not applicable
Packing Group	Not applicable



Maritime transportation	Not available
Hazardous Substances Reportable Quantity	Not available

Continued on Next Page

Renewal Top-Coat

Page Number: 5

Special Provisions for Transport Not applicable.**DG Classification** Not controlled under TDG (Canada)**ADR Classification** Not controlled under ADR of the EEC**IMDG Classification** Not controlled under IMDG**IATA Classification** Not controlled under IATA**Section 15. Regulatory Information****Federal and State Regulations** SARA 313 toxic chemical notification and release reporting **Methyl-1 pyrrolidinone-2, Diethylene glycol monobutyl ether,**

Other Classifications	WHMIS (Canada)	WHMIS CLASS D-2B: Material causing other toxic effects (TOXIC)
	Canadian Regulatory Lists	All the ingredients are on the DSL list
	DSCL (EEC)	R36- Irritating to eyes.
	International Regulatory Lists	No products were found

Section 16. Other Information**HMIS (U.S.A.)**

Health Hazard	1
Fire Hazard	1
Reactivity	0
Personal Protection	C

National Fire Protection Association (U.S.A.) HealthFire Hazard
Reactivity
Specific hazard**References** Primarily MSDS information on components.**Other Special Considerations**

Validated by Ken Trautwein on 10/28/1999.

Verified by Jim Tuck.

Printed 1/13/2000.

Emergency phone:

800-255-3924

For Information Call:

800-635-3286

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability, whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.